

FILE 'HOME' ENTERED AT 17:22:48 ON 05 MAR 2003

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SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'MEDLINE' ENTERED AT 17:22:55 ON 05 MAR 2003

FILE 'BIOSIS' ENTERED AT 17:22:55 ON 05 MAR 2003

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FILE 'EMBASE' ENTERED AT 17:22:55 ON 05 MAR 2003

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=> s dendritic

L1 111753 DENDRITIC

=> s l1 and spine

L2 9859 L1 AND SPINE

=> s l2 and length

L3 1265 L2 AND LENGTH

=> s l3 and density

L4 619 L3 AND DENSITY

=> s l4 and volume

L5 100 L4 AND VOLUME

=> dup rem l5

PROCESSING COMPLETED FOR L5

L6 40 DUP REM L5 (60 DUPLICATES REMOVED)

=> s l6 and image

L7 10 L6 AND IMAGE

=> d ibib l7

L7 ANSWER 1 OF 10 MEDLINE

ACCESSION NUMBER: 2002277324 MEDLINE

DOCUMENT NUMBER: 22016485 PubMed ID: 12020447

TITLE: An **image** analysis algorithm for **dendritic spines**.

AUTHOR: Koh Ingrid Y Y; Lindquist W Brent; Zito Karen; Nimchinsky Esther A; Svoboda Karel

CORPORATE SOURCE: Department of Applied Mathematics and Statistics, State University of New York at Stony Brook, Stony Brook, NY 11794-3600, USA.. ingrid@ams.sunysb.edu

SOURCE: NEURAL COMPUTATION, (2002 Jun) 14 (6) 1283-310.
Journal code: 9426182. ISSN: 0899-7667.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals
ENTRY MONTH: 200206
ENTRY DATE: Entered STN: 20020522
Last Updated on STN: 20020611
Entered Medline: 20020606

=> d ibib 17 1-10

L7 ANSWER 1 OF 10 MEDLINE
ACCESSION NUMBER: 2002277324 MEDLINE
DOCUMENT NUMBER: 22016485 PubMed ID: 12020447
TITLE: An **image** analysis algorithm for **dendritic spines**.
AUTHOR: Koh Ingrid Y Y; Lindquist W Brent; Zito Karen; Nimchinsky Esther A; Svoboda Karel
CORPORATE SOURCE: Department of Applied Mathematics and Statistics, State University of New York at Stony Brook, Stony Brook, NY 11794-3600, USA.. ingrid@ams.sunysb.edu
SOURCE: NEURAL COMPUTATION, (2002 Jun) 14 (6) 1283-310.
Journal code: 9426182. ISSN: 0899-7667.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200206
ENTRY DATE: Entered STN: 20020522
Last Updated on STN: 20020611
Entered Medline: 20020606

L7 ANSWER 2 OF 10 MEDLINE
ACCESSION NUMBER: 2002102366 MEDLINE
DOCUMENT NUMBER: 21683813 PubMed ID: 11826104
TITLE: Ultrastructure of a somatic **spine** mat for nicotinic signaling in neurons.
AUTHOR: Shoop Richard D; Esquenazi Eduardo; Yamada Naoko; Ellisman Mark H; Berg Darwin K
CORPORATE SOURCE: Neurobiology Section, Division of Biology, Department of Neuroscience, University of California, San Diego, La Jolla, California 92093-0357, USA.
CONTRACT NUMBER: NS12601 (NINDS)
NS35469 (NINDS)
RR04050 (NCRR)
SOURCE: JOURNAL OF NEUROSCIENCE, (2002 Feb 1) 22 (3) 748-56.
Journal code: 8102140. ISSN: 1529-2401.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200202
ENTRY DATE: Entered STN: 20020209
Last Updated on STN: 20020228
Entered Medline: 20020227

L7 ANSWER 3 OF 10 MEDLINE
ACCESSION NUMBER: 2000226249 MEDLINE
DOCUMENT NUMBER: 20226249 PubMed ID: 10762324
TITLE: Alterations in Purkinje cell **spines** of calbindin D-28 k and parvalbumin knock-out mice.
AUTHOR: Vecellio M; Schwaller B; Meyer M; Hunziker W; Celio M R
CORPORATE SOURCE: Institute of Histology and General Embryology, University of Fribourg, CH-1705 Fribourg, Switzerland.

SOURCE: EUROPEAN JOURNAL OF NEUROSCIENCE, (2000 Mar) 12 (3) 945-54.
Journal code: 8918110. ISSN: 0953-816X.
PUB. COUNTRY: France
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200005
ENTRY DATE: Entered STN: 20000606
Last Updated on STN: 20000606
Entered Medline: 20000522

L7 ANSWER 4 OF 10 MEDLINE
ACCESSION NUMBER: 1998437407 MEDLINE
DOCUMENT NUMBER: 98437407 PubMed ID: 9763474
TITLE: Three-dimensional structure and composition of CA3-->CA1
axons in rat hippocampal slices: implications for
presynaptic connectivity and compartmentalization.
AUTHOR: Shepherd G M; Harris K M
CORPORATE SOURCE: Department of Neurology, Massachusetts General Hospital,
Boston, Massachusetts 02114, USA.
CONTRACT NUMBER: MH/DA57351 (NIMH)
NS21184 (NINDS)
P30-HD18655 (NICHD)
SOURCE: JOURNAL OF NEUROSCIENCE, (1998 Oct 15) 18 (20) 8300-10.
Journal code: 8102140. ISSN: 0270-6474.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199810
ENTRY DATE: Entered STN: 19990106
Last Updated on STN: 19990106
Entered Medline: 19981023

L7 ANSWER 5 OF 10 MEDLINE
ACCESSION NUMBER: 1998433834 MEDLINE
DOCUMENT NUMBER: 98433834 PubMed ID: 9762870
TITLE: Increased number and size of **dendritic
spines** in ipsilateral barrel field cortex following
unilateral whisker trimming in postnatal rat.
AUTHOR: Veas A M; Micheva K D; Beaulieu C; Descarries L
CORPORATE SOURCE: Departement de Pathologie et Biologie Cellulaire and Centre
de Recherche en Sciences Neurologiques, Universite de
Montreal, Quebec, Canada.
SOURCE: JOURNAL OF COMPARATIVE NEUROLOGY, (1998 Oct 12) 400 (1)
110-24.
Journal code: 0406041. ISSN: 0021-9967.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199812
ENTRY DATE: Entered STN: 19990115
Last Updated on STN: 19990115
Entered Medline: 19981217

L7 ANSWER 6 OF 10 MEDLINE
ACCESSION NUMBER: 97141562 MEDLINE
DOCUMENT NUMBER: 97141562 PubMed ID: 8987748
TITLE: Three-dimensional organization of smooth endoplasmic
reticulum in hippocampal CA1 dendrites and
dendritic spines of the immature and

mature rat.
 AUTHOR: Spacek J; Harris K M
 CORPORATE SOURCE: Department of Pathology, Charles University Medical Faculty
 Hospital, CZ-500 05 Hradec Kralove, Czech Republic.
 CONTRACT NUMBER: NS21184 (NINDS)
 NS33574 (NINDS)
 TW00178 (FIC)
 +
 SOURCE: JOURNAL OF NEUROSCIENCE, (1997 Jan 1) 17 (1) 190-203.
 Journal code: 8102140. ISSN: 0270-6474.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 199702
 ENTRY DATE: Entered STN: 19970219
 Last Updated on STN: 19970219
 Entered Medline: 19970204

L7 ANSWER 7 OF 10 MEDLINE
 ACCESSION NUMBER: 95114173 MEDLINE
 DOCUMENT NUMBER: 95114173 PubMed ID: 7814673
 TITLE: Structure and function of gustatory neurons in the nucleus
 of the solitary tract. I. A classification of neurons based
 on morphological features.
 AUTHOR: Renehan W E; Jin Z; Zhang X; Schweitzer L
 CORPORATE SOURCE: Laboratory of Gastrointestinal, Gustatory and Somatic
 Sensation, Henry Ford Health Sciences Center, Detroit,
 Michigan 48202.
 CONTRACT NUMBER: DC01074 (NIDCD)
 SOURCE: JOURNAL OF COMPARATIVE NEUROLOGY, (1994 Sep 22) 347 (4)
 531-44.
 Journal code: 0406041. ISSN: 0021-9967.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals
 ENTRY MONTH: 199502
 ENTRY DATE: Entered STN: 19950217
 Last Updated on STN: 19950217
 Entered Medline: 19950207

L7 ANSWER 8 OF 10 MEDLINE
 ACCESSION NUMBER: 93094379 MEDLINE
 DOCUMENT NUMBER: 93094379 PubMed ID: 1460112
 TITLE: Three-dimensional analysis of the structure and composition
 of CA3 branched **dendritic spines** and
 their synaptic relationships with mossy fiber boutons in
 the rat hippocampus.
 AUTHOR: Chicurel M E; Harris K M
 CORPORATE SOURCE: Department of Neurology Research, Children's Hospital,
 Boston, Massachusetts 02115.
 CONTRACT NUMBER: AG09665 (NIA)
 NS21184 (NINDS)
 P30-HD18655 (NICHD)
 SOURCE: JOURNAL OF COMPARATIVE NEUROLOGY, (1992 Nov 8) 325 (2)
 169-82.
 Journal code: 0406041. ISSN: 0021-9967.
 PUB. COUNTRY: United States
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
 LANGUAGE: English
 FILE SEGMENT: Priority Journals

ENTRY MONTH: 199301
ENTRY DATE: Entered STN: 19930129
Last Updated on STN: 19930129
Entered Medline: 19930114

L7 ANSWER 9 OF 10 MEDLINE
ACCESSION NUMBER: 90021679 MEDLINE
DOCUMENT NUMBER: 90021679 PubMed ID: 2800675
TITLE: Quantification of the synapses in the hippocampus of aged rats.
AUTHOR: Lolova I; Lolov V; Petkov V D
SOURCE: ZEITSCHRIFT FUR MIKROSKOPISCH-ANATOMISCHE FORSCHUNG, (1989) 103 (3) 447-58.
JOURNAL code: 0413637. ISSN: 0044-3107.
PUB. COUNTRY: GERMANY, EAST: German Democratic Republic
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198911
ENTRY DATE: Entered STN: 19900328
Last Updated on STN: 19900328
Entered Medline: 19891114

L7 ANSWER 10 OF 10 MEDLINE
ACCESSION NUMBER: 89361664 MEDLINE
DOCUMENT NUMBER: 89361664 PubMed ID: 2769375
TITLE: **Dendritic spines** of CA 1 pyramidal cells in the rat hippocampus: serial electron microscopy with reference to their biophysical characteristics.
AUTHOR: Harris K M; Stevens J K
CORPORATE SOURCE: Department of Neurology, Children's Hospital, Boston, Massachusetts 02115.
CONTRACT NUMBER: NS20820 (NINDS)
NS21184 (NINDS)
P30-HD18655 (NICHD)
SOURCE: JOURNAL OF NEUROSCIENCE, (1989 Aug) 9 (8) 2982-97.
JOURNAL code: 8102140. ISSN: 0270-6474.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198909
ENTRY DATE: Entered STN: 19900309
Last Updated on STN: 19970203
Entered Medline: 19890922